

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A coffee plant cell that produces galacto-mannans and that is modified to reduce endogenous levels of α -D-galactosidase ~~mRNA~~ activity in order to increase galactose branching of the galacto-mannans, wherein the coffee plant cell is produced using antisense technology.

Claim 2 (original): The coffee plant cell according to claim 1, containing a nucleic acid that is transcribed to a ribonucleic acid which is antisense to mRNA, or a part thereof, derived from the α -D-galactosidase gene of the cell.

Claim 3 (original): The coffee plant cell according to claim 2, wherein the nucleic acid is under the control of a constitutive or inducible promoter.

Claim 4 (original): The coffee plant cell according to claim 3, wherein the promoter is a coffee *csp1* promoter.

Claim 5 (original): The coffee plant cell of claim 2 wherein the antisense nucleic acid is any ribonucleic acid capable of forming dimers under physiological conditions.

Claim 6 (original): A coffee plant containing a coffee plant cell according to claim 1.

Claim 7-11 (canceled):

Claim 12 (currently amended): The coffee beans of claim 7 having increased water solubility ~~due to increased galactose branching~~ compared to conventional coffee beans.

Claim 13 (previously presented): Coffee beans obtained from the coffee plant according to claim 6.

Claim 14 (currently amended): The coffee beans of claim 13 having increased water solubility ~~due to increased galactose branching~~ compared to conventional coffee beans.

Claim 15 (new): A coffee bean comprising a cell that produces galacto-mannans that is modified to reduce endogenous levels of α -D-galactosidase mRNA, wherein the coffee plant cell is produced using antisense technology.